## DETAILED ACTION

In response to Applicant's Responses to Non-Final Office Action filed

07/28/2008, and telephone interviewed on 10/20/2008, the examiner's amendment was

authorized by attorney of record Joseph A. Herndon Attorney for Applicants. Claims 1-

15 and 41-44 were previously presented claims 16-40 and 45-47 are currently canceled.

Should the changes and/or additions be unacceptable to applicant, an

amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of

such an amendment, it MUST be submitted no later than the payment of the issue fee.

### *Information Disclosure Statement*

A signed and dated copy of applicant's IDS, which was filed on 01/28/2008, is

attached to this Office Action.

### *EXAMINER'S AMENDMENT*

The application has been amended as follows:

*In the Specification:*

➢ amend the paragraph spanning Pages 57 and 58 to:

It will be apparent to those of ordinary skill in the art that methods involved in the

system and method for compressing and decompressing a binary code image may be

embodied in a computer program product that includes a computer usable medium. For

example, such as, a computer usable medium can include a readable memory device,

such as a hard drive device, CD-ROM, a DVD-ROM, or a computer diskette, having

computer readable program code segments stored thereon. ~~The computer readable~~

~~medium can also include a communications or transmission medium, such as, a bus or~~

~~a communication link, either optical, wired or wireless having program code segments~~

~~carried thereon as digital or analog data signals.~~


*In the Claims:*

> ➢ replace the claims with the following claim set:

1. (Previously Presented): A computer readable medium having instructions recorded

thereon for execution on a computer for normalizing information content in a document,

the instructions being executed to perform functions of:

a template normalizer for matching and applying a template to the information

content, wherein the template defines modifications to the document in order to adapt

the document for display on a device other than an originally intended device; and

an automatic normalizer for folderizing the information content, wherein the

information content is organized into a set of hierarchical nodes having respective

weights, where a weight determines whether a node will be inserted into a normalized

document as a folder title or folder contents, and wherein the automatic normalizer

folderizes the information content by identifying content having a higher visibility on a

display of the originally intended device and assigning the content having the higher

visibility a weight indicative of a folder title, wherein the automatic normalizer compares

the information content in the document with information content from a previously

normalized document to determine if similar nodes exist, and if so, the automatic

normalizer collapses the information content in the document in a manner similar to the

previously normalized document;

wherein the template normalizer attempts to match a template to the information

content, and if not, the automatic normalizer folderizes the information content to

produce a normalized information content.


2. (Previously Presented):  The computer readable medium of claim 1 wherein the

template normalizer recognizes patterns in the information content, and wherein the

template normalizer dynamically changes the information content to match the template.


3. (Previously Presented):  The computer readable medium of claim 2 wherein the

template normalizer determines if the variation in the information content is too great to

match to a template, and if so, forwards the information content to the automatic

normalizer.


4. (Previously Presented):  The computer readable medium of claim 1 wherein the

template normalizer utilizes regular expression pattern matching to the information

content.

5. (Previously Presented): The computer readable medium of claim 1 wherein the information content is represented by a document object tree, and wherein the template normalizer utilizes regular expression pattern matching to the document object tree.

6. (Previously Presented): The computer readable medium of claim 1 wherein the automatic normalizer utilizes normalization markup embedded in the information content to provide the automatic normalizer with specific instructions.

7. (Previously Presented): The computer readable medium of claim 1 wherein the automatic normalizer utilizes meta-tags embedded in the information content to provide the automatic normalizer with at least one specific instruction.

8. (Previously Presented): The computer readable medium of claim 7 wherein the specific instruction is to create a folder containing a portion of the information content.

9. (Previously Presented): The computer readable medium of claim 7 wherein the specific instruction is to trigger markup based normalization.

10. (Previously Presented): The computer readable medium of claim 1 wherein the template normalizer utilizes normalization markup embedded in the information content to provide the template normalizer with at least one specific instruction.

11. (Previously Presented): The computer readable medium of claim 10 wherein the

specific instruction is to trigger markup based normalization.


12. (Previously Presented): The computer readable medium of claim 1 wherein the

normalization markup does not affect the page for display by a PC-based browser that

utilizes hypertext markup language (HTML).


13. (Previously Presented): The computer readable medium of claim 1 wherein the

information content is in the form of a document object model (DOM).


14. (Previously Presented): The computer readable medium of claim 1 wherein the

information content is in the form of a document object tree.


15. (Previously Presented): The computer readable medium of claim 1, further

comprising:

 a QDOM for generating a document object tree, wherein the document object

tree is represented by a mutable object.


**16-40. (Canceled):**

41.  (Previously Presented):  The computer readable medium of claim 1, wherein if a

node has no visual effect on a display of the information content and the node is not

folder contents, the node is removed.


42.  (Previously Presented):  The computer readable medium of claim 1, wherein the

automatic normalizer folderizes the information content by organizing a weighted node

as content within a folder having the lightest weight of all the folders that is also greater

than the weight of the weighted node.


43. (Previously Presented):  The computer readable medium of claim 1, wherein a

folder can be expanded to display information content, and wherein unexpanded folders

are displayed along with expanded folders.


44. (Previously Presented):  The computer readable medium of claim 1, wherein the

previously normalized document is a most recent normalized document.


**45-47. (Canceled)**

### *Allowable Subject Matter*

Claims 1-15 and 41-44 are allowed:

The following is a statement of reasons for the indication of allowable subject

matter: [as previously set forth in the Office Action dated 01/28/2008]

Interpreting the claims in light of the specification, Examiner finds the claimed

invention is patentably distinct from the prior art of record, which set forth in the previous

Office Actions.

Under the broadest reasonable interpretation of the claimed limitation

consistence with the Applicant's Specification, the prior art of record fail to teach all of

the Applicant's claimed limitation (Claim(s) 1-15, and 41-44. In particularly, the claimed

invention advantageously provides a finer level of detail that enables a desktop focus

web content to handheld browsers, this requires filtering un-supported content, dropping

unneeded content, reordering and partitioning content to improve navigation and

application flow for allow the content source to be redefined once for all networks and

device types display on a limited device. More particularly, a template normalizer utilizes

regular expression pattern-matching to *assign the content having a higher visibility*

*a weight indicative of a folder title*, and If the similar nodes exist between the

information content in the document and a previously normalized document, and if so,

the automatic normalizer collapses the information content in the document in a manner

similar to the previously normalized document (i.e. a template normalizer utilizes regular

expression pattern-matching to impose a template over a document and attempts to

match the template to the document that is dynamically formats content to a form that is optimized for a particular electronic device that formatted to suit industry standard browsers, or targeted to an electronic device using the client side browser (See Claims 1-15; 41-44 and the Applicant Specification Page 35, Lines 4-15). (e.g., collapses information content utilizes the trees of the documents are compared to determine if similar fragments (list of links, table, image) exist. The similar fragments of the tree are collapsed into folders or select input elements. The effect is to conserve display space on the device.

The Examiner asserts that the claims overcome the prior art of record when the limitations are read in combination with the respective claimed limitations in their entirety.

The dependent claims, further limiting the independent claims, are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is 571-272-8664. The examiner can normally be reached on Mon through Fri 8AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Doug Hutton can be reached on (571)272-4137. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

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